



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

15 West Yakima Avenue, Suite 200 • Yakima, Washington 98902-3452 • (509) 575-2490

April 15, 2005

Desert Hills Vineyard  
61603 N Wilgus Rd  
Grandview WA 98930-9192

**Re: Emergency Drought Change Application No. CG4-31301C**

In accordance with the provisions of RCW 43.83B.405, on March 10, 2005, it was ordered and determined by the Director of the Department of Ecology that the State of Washington is under drought conditions. In accordance with the provisions of WAC 173-166-060, the Department of Ecology is under the terms of this Order, issuing an EMERGENCY DROUGHT CHANGE AUTHORIZATION. The intent of this authorization is to alleviate hardships and reduce the burdens on water users arising from the drought conditions.

**THIS AUTHORIZATION SHALL IN NO MANNER BE CONSTRUED TO GUARANTEE OR IMPLY THAT A FINAL CHANGE AUTHORIZATION WILL ISSUE FOR THE FUTURE USE OF THE WATER USE HEREIN AUTHORIZED.**

This authorization is subject to the following limitations and provisions:

This authorization is to add a well to certificate of water right No. G4-31301C:

The existing well is located 1100 feet (ft) E and 100 ft N of the W $\frac{1}{4}$  corner of Section 33, within the SW $\frac{1}{4}$ NW $\frac{1}{4}$  of Section 33, T. 10 N., R. 24 E.W.M.

The proposed new well will be located approximately 900 ft N and 300 ft E of the SW corner of Section 33, within the SW $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 33, T. 10 N., R. 24 E.W.M.

The instantaneous quantity of water to be withdrawn by both wells combined is limited to 700 gallons per minute (gpm) based upon the extent of the water right.

202.8 acre-feet of water is authorized under this emergency change to add a point of withdrawal for the supplemental irrigation of 252.6 acres.

The place of use is described as follows:

The S $\frac{1}{2}$ N $\frac{1}{2}$  south of Pump Canal, less the SE $\frac{1}{4}$ NE $\frac{1}{4}$ , south of canal in Section 33, T. 10 N., R. 24 E.W.M. AND

The SE $\frac{1}{4}$ NE $\frac{1}{4}$  that lies below the Roza Irrigation Lateral P 71, all in Section 32, T. 10 N., R. 24 E.W.M. AND

The SW $\frac{1}{4}$  of Section 33, T. 10 N., R. 24 E.W.M.

Except easements and county road right of way.

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To develop a well in the Saddle Mountains Aquifer, the well must comply with the following construction requirements and restrictions:

- (a) Unperforated casing shall be set or placed (not driven) twenty (20) feet into the top of Pomona Member (basalt) of the Saddle Mountain Formation, which is estimated to occur at or below a depth of approximately 180 feet.
- (b) The well casing annulus shall be sealed into the top of the Pomona with a neat cement or neat cement grout. The sealing material shall be placed in the annulus by pumping to seal the entire annulus from the bottom of the casing to the land surface.
- (c) The well annulus shall be at least four (4) inches greater in diameter than the permanent casing.
- (d) The well depth shall terminate at or above a depth corresponding to the top of the Priest Rapids Member of the Wanapum Formation, which should be encountered at a depth of approximately 600 feet.
- (e) Installation of an airline and an access port for water level measurement is required.

When flowing artesian conditions are known or suspected, the operator shall have a written sealing plan prepared prior to initiation of construction. Flowing wells shall be so constructed and equipped with valves to ensure that the flow of water can be completely stopped when not being used. Likewise, the well shall be so maintained as to prevent the waste of water through leaky casings, pipes, fittings, valves, or pumps -- either above or below land surface.

All water wells constructed within the state shall meet the minimum standards for construction and maintenance as provided under RCW 18.104 (Washington Water Well Construction Act of 1971) and WAC Chapter 173-160-075 through 173-160-305 (Minimum Standards for Construction and Maintenance of Water Wells).

The applicant shall require the driller to collect and retain drill cuttings for Ecology to submit for laboratory analysis as follows:

The driller shall collect and retain basalt chip samples starting with the first basalt encountered and every 20 feet thereafter and at significant changes in lithology. The depth each sample is taken from shall be recorded with the sample. Gross sample size should be large enough to provide a net minimum of sixteen (16) ounces of dry, clean, washed basalt chips from each sample. Staff from Ecology will pick up the samples during and/or at the conclusion of drilling and may arrange for X-ray Fluorescence Analysis. As soon as the drilling schedule is established, the applicant shall notify Anna Hoselton (509) 454-7887 or Ron Dixon (509) 454-7897 at the Department of Ecology, Yakima, WA, to go over any questions and arrange for site access by Ecology staff.

The new well shall be constructed by August 1, 2005. If the new well is not completed by August 1, 2005, you must notify Ecology and provide us with an estimated completion date and a statement describing how the well will be used to provide supplemental water this year. If the well cannot be completed in sufficient time to provide water this year, this emergency permit will be cancelled.



A suitable flow meter approved by the Department of Ecology shall be installed and maintained in accordance with Chapter 173-173 WAC. (Installation, operation and maintenance requirements attached hereto.)

Whenever water is being diverted, bi-weekly (every two weeks) readings of the flow meter shall be recorded and maintained by the permittee. These readings shall be documented by time, date, withdrawal rate, and the person conducting the measurements. Copies of these records shall be submitted to the Department of Ecology by November 15, 2005.

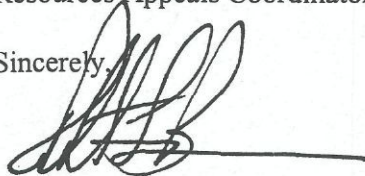
Department of Ecology personnel, upon presentation of proper credentials, shall have access at reasonable times, to the records of water use that are kept to meet the above conditions, and to inspect at reasonable times any measuring device used to meet the above conditions.

Withdrawal of water under this authorization may be limited or otherwise regulated in favor of senior rights.

This drought emergency authorization expires on October 31, 2005.

This Order may be appealed pursuant to Chapter 43.21B RCW. Any person wishing to appeal this Order must file an appeal with the Pollution Control Hearings Board **within thirty (30) days of receipt of this Order**. Send the appeal to: Pollution Control Hearings Board, PO Box 40903, Olympia, Washington 98504-0903. At the same time, a copy of the appeal **must** be sent to: Department of Ecology, Water Resources Appeals Coordinator, PO Box 47600, Olympia, Washington 98504-7600.

Sincerely,



Robert F. Barwin, Section Manager  
Water Resources Program  
Central Region Office

RFB:gg  
050465

Enclosures:    Flow Meter Requirements  
                  Your Right To Be Heard

cc:            Carroll Palmer, Director, Natural Resources Division, Yakama Nation  
               Curt Hart, Water Resources Program, HQ